

line 7, replace "are" with --is--;

line 8, after "(ATM)" insert --are known--; and replace "Thus, on the one hand, connections" with --Connections--;

line 12, replace "are" with --is--;

5 line 13, replace "are" with --is--; and after "with" insert --a--;

line 16, replace "are" with --is--;

line 18, after "five" insert --above--; and replace "are" with --is--;

line 19, replace "in common" with --together--; and delete ", respectively,";

10 line 20, replace "the setup of" with --setting up--; and

line 22, delete "that is".

On page 2:

line 4, replace "this all" with --discarding cells--;

line 5, replace "the demand for" with --standardization authorities

a2

a2 15 require-- replace "properly" with --property--; and replace "of" with --for--;

line 6, delete "exists on the part of standardization authorities";

line 7, replace "already carried out" with --performed--; and replace "as to" with --to determine--;

line 13, delete "thereby";

20 line 14, replace "plurality" with --number--; and replace "of" with --

via--;

line 18, replace "maximally" with --maximum--;

line 20, replace "maximally" with --maximum--;

line 21, replace "quasi material" with --quasi-material--;

25 line 23, replace "maximally" with --maximum--;

line 24, replace "maximally" with --maximum--;

line 27, replace "sequences" with --sequence utilized--; and

line 29, after "these" insert --parameters--.

On page 3:

line 4, replace "Let the" with --The--; and replace "be recited here as" with --is an example of--;

line 6, replace "A" with --An--;

5 line 10, after "when" insert --the following condition (b) is met--;

line 11, after "as" insert --will be--; and after "later" delete --, the following--;

line 12, delete "condition (b) is met";

line 16, delete "thus,";

10 line 18, delete "to" (second occurrence);

line 22, after "as" insert --a--; and

line 24, replace "multiplex" with --multiplexed--.

On page 4:

line 1, after "These" insert --connections--;

15 line 4, replace "very close to one another - or very far from one another" with --either very close to or very far from one another--;

line 6, replace "then" with --than--;

line 7, replace "maximally" with --maximum--; and after "as" insert --a--;

20 line 12, delete "from dynamics points of view";

line 15, replace "thus a" with --an--;

line 22, replace "then the maximally" with --than the maximum--;

line 23, after "then" insert --the--;

line 28, replace "then" with --than--; and

25 line 31, replace "is in turn" with --is, in turn,--.

On substitute page 5:

5

line 1, delete "thus,";

line 3, (second occurrence) delete "to";

line 8, after "modification" insert --, as shown in Equation (c),--;

line 12, after "/c" insert --.--;

line 14, delete "thus"; and delete ", for";

line 15, replace "example" with --(e.g.,--; and replace "line," with
--line)--;

10

line 17, after "whether" insert --or not--;

line 18, delete "or not";

line 24, delete "comprised therein"; and

line 25, replace "per" with --for each--.

On substitute page 5a:

15

line 9, delete ", respectively,"; and

delete lines 11-13, and insert the following heading and

paragraph:

--SUMMARY OF THE INVENTION

a 3

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The present invention teaches a method of how to fashion an acceptance algorithm such that a bandwidth representative for all connections can be calculated in an efficient way.--.

On page 6:

delete lines 1-3 and insert the following:

a 4

25

--According to an aspect of the invention, a method for statistical multiplexing of ATM connections includes conducting a plurality of ATM connections over a common connecting line. The plurality of ATM connections have an effective bandwidth reserved for conduction of the aggregate of the plurality of ATM connections on the connecting line and

*A 5
Conic*

utilize an acceptance algorithm that allocates potential added connections to one of a first class and a second class. The method also includes deciding whether additional potential added connections can be accepted on the common connecting line based on acceptance criteria and a prescribed effective bandwidth. This decision includes first identifying the prescribed effective bandwidth on a step-by-step basis for either a setup connection or a release of a connection wherein the identification starts from an initial value and the acceptance algorithm is then performed at every step. Additionally, the method determines whether at least one of the additional potential added connections or release connections may be accepted by at least one of the first class and the second class. Next, the method defines a first bandwidth representative of the first class and the second bandwidth representative of the second class and then modifies at least one of the first and second bandwidths by at least a first traffic parameter value or a second traffic parameter value based on the acceptance of the additional potential added connection to at least one of the first and second class. Finally, the method either accepts or rejects an additional potential added connection based on at least the identified prescribed effective bandwidth and the acceptance criteria.--;

- 20 line 4, replace "for" with --in--;
 line 5, after "as" insert --an--; and after "bandwidth" delete ---;
 line 6, delete ":";
 line 9, replace "criteria, a" with --criteria and a--;
 line 11, delete ", respectively,";
25 line 16, delete ", respectively,"; and
 delete lines 19-31 and insert the following headings and
 paragraphs:

--Additional advantages and novel features of the invention will

as

*A 5
cont*

be set forth, in part, in the description that follows and, in part, will become apparent to those skilled in the art upon examination of the following or may be learned by practice of the invention. The advantages of the invention may be realized and attained by means of the 5 instrumentalities and combinations particularly pointed out in the appended claims.

BRIEF DESCRIPTION OF THE DRAWINGS

Reference is made to the attached drawings wherein:

- 10 Figure 1 illustrates a flow chart according to the inventive method; and

Figure 2 illustrates a flow chart according to an alternate embodiment of the inventive method.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Figure 1 shows a flow chart according to the inventive method.

- 15 The initially described sigma rule algorithm SR of the prior art is employed as an acceptance algorithm. In accordance therewith, additional status variables are introduced in addition to the status variable carried in the sigma rule algorithm SR. These status variables are c_k^S , c_k^P and c_k^{eff} .

On page 7:

- 20 line 1, replace "variables" with --variable--;
line 3, replace "variables" with --variable--;
line 5, replace "variables" with --variable--;
line 6, replace "What thus" with --The relationship that--;
line 8, replace ":" (first occurrence) with --and--;
25 line 10, before "2)" insert --and--;
line 11, replace "are [sic]" with --is--; and
line 26, after "added" delete ----.

On page 8:

line 3, replace "A security in the estimate is thus established."

with --Thus, reliability in the estimate is established.--;

line 5, replace "then" with --that point--;

5 line 6, replace "new," with --the new--;

line 7, replace "derives" with --condition applies--;

line 10, replace "then" with --that point--;

line 11, replace "new," with --the new--; and after " ." insert --

Accordingly, the following condition applies:--; and

10 line 21, before ":" insert --as follows--.

On page 9:

line 10, replace "appertaining" with --pertaining--.

On page 10:

line 3, replace "then" with --this point--;

15 line 4, replace "new," with --the new--;

line 7, replace "then" with --this point--;

line 8, after "as" insert --the--; and

line 15, before ":" insert --as follows--.

On page 11:

20 line 3, replace "development" with --embodiment--; and delete "is provided to replace";

line 4, replace "with" with --can be replaced with:--;

line 8, after "are" insert --illustrated at step S--; and

after line 8, insert the following paragraph:

25 --While this invention has been described in connection with what is presently considered to be the most practical and preferred embodiments, it is to be understood that the invention is not limited to the

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